

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/04249

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 C11D9/02

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 240 105 A (UNILEVER LIMITED) 21 July 1971 (1971-07-21) claims 1-3,7,11; examples ---	1-18
X	GB 1 213 333 A (ETHYL CORPORATION) 25 November 1970 (1970-11-25) page 2, column 116-124; claims 1,8-11,21; examples ---	1-18
X	GB 1 295 309 A (ETHYL CORPORATION) 8 November 1972 (1972-11-08) claims 1,10,21; examples ---	1-18
X	US 4 704 223 A (GUPTA SHYAM K ET AL) 3 November 1987 (1987-11-03) column 2, line 30-35; example III ---	17 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

9 January 2004

Date of mailing of the international search report

21/01/2004

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**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 728 663 A (LAMBINO DANILO L) 17 March 1998 (1998-03-17) claims 1,3; example 8 -----	17
A	US 3 793 214 A (O NEILL J ET AL) 19 February 1974 (1974-02-19) claims; examples -----	1-18

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB 03/04249

### Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

**1. Claims: 1-16**

Soap composition comprising 60-99% by weight of a mixture of (i) 20 to 80% by weight of alkali metal soap of straight chain C8-C24 fatty acids and (ii) 20 to 80% by weight of alkali metal soap of branched C8-C24 fatty acids; and process of making a soap bar or tablet which comprises extruding said composition.

**2. Claim : 17**

Use of alkali metal soap of branched C8-C24 fatty acids to improve the color stability and/or odour stability and/or lather volume of a soap composition.

**3. Claim : 18**

Use of alkali metal soap of branched C8-C24 fatty acids to reduce the amount of stabilizer and/or preservative and/or chelating agent required in a soap composition.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No
PCT/GB 03/04249

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
GB 1240105	A 21-07-1971	AT BE CH DE DK DK ES FI FI FR IE LU NL NO SE	329168 B 721552 A 546823 A 1792641 A1 131949 B 131949 A 358559 A1 51106 B 51106 A 1589178 A 32442 B1 56986 A1 6813664 A ,B 129050 B 372036 B	26-04-1976 27-03-1969 15-03-1974 18-11-1971 29-09-1975  16-06-1970 30-06-1976  23-03-1970 08-08-1973 18-06-1969 01-04-1969 18-02-1974 09-12-1974
GB 1213333	A 25-11-1970	DE NL FR	1792244 A1 6813738 A 1576264 A	16-03-1972 31-03-1970 25-07-1969
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US 4704223	A 03-11-1987	NONE		
US 5728663	A 17-03-1998	AU BR CN ID JP KR WO US	3578097 A 9710136 A 1223683 A ,B 17701 A 2000514113 T 2000022379 A 9800505 A1 5962382 A	21-01-1998 10-08-1999 21-07-1999 22-01-1998 24-10-2000 25-04-2000 08-01-1998 05-10-1999
US 3793214	A 19-02-1974	US	3926828 A	16-12-1975